

inner mitochondrial membrane heptanoic acid $CH_3-CH_2-CH_2-CH_2-CH_2-CH_2-CH_2-CH_2$ CoASH, medium chain acyl-CoA synthetase heptanoyl-CoA MCADCH₃-CH₂-CH₂-CH₂-CH=CH-C-SCoA 2-trans-enoyl-CoA 2-enoyl-CoA hydratase CH₃—CH₂—CH₂—CH—CH₂—C—SCoA L-3-hydroxy heptanoyl-CoA L-3-hydroxyacyl-CoA dehydrogenase (C_7) CoASH, 3-ketoacyl-CoA thiolase acetyl-CoA (C_5) n-valeryl-CoA Iso valeryl-CoA dehydrogenase 2-trans-enoyl-CoA (C_5) 2-enoyl-CoA hydratase L-3-hydroxypentanoyl-CoA (C_5) L-3-hydroxyacyl-CoA dehydrogenase CH₃-CH₂-C-C-SCoA (C_5) CoASH, 3-ketoacyl-CoA thiolase acetyl-CoA (C_3) n-propionyl-CoA Fig. 2







































































































